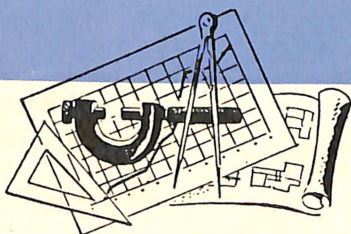


It pays
to know
the answers



150 ANSWERS TO 150 OFTEN-ASKED QUESTIONS ABOUT MASONITE PRESDWOODS



CHARACTERISTICS

1

Question: What is Masonite Presdwood?

Answer: Masonite Presdwood is a scientifically manufactured board, made entirely of exploded wood fibres of Australian timbers, hitherto thought valueless. It is grainless, knotless, has no protruding fibres, slivers, or other defects found in timber.

2

Question: What are the Masonite Presdwood products?

Answer: Masonite Standard Presdwood, Tempered Presdwood, Temptrile, Primecote, Termite Treated Presdwoods, Concrete Formboard, Leatherboard and Pegboard.

3

Question: What are the sizes and thicknesses?

Answer: All Masonite Presdwood Products are manufactured in sheet sizes of 12' x 4', with the exception of Masonite Pegboard which is manufactured in a sheet size of 6' x 4'. Masonite Standard, Tempered and Termite-Treated Presdwoods are made in thicknesses of $\frac{1}{8}$ ", $\frac{3}{16}$ ", $\frac{1}{4}$ " and $\frac{5}{16}$ ", whilst Concrete Formboard is $\frac{1}{4}$ " thickness only, Primecote and Temptrile in $\frac{3}{16}$ " only, Leatherboard in thicknesses of $\frac{1}{8}$ " and $\frac{3}{16}$ ", Pegboard $\frac{1}{8}$ " only.

4

Question: Is Masonite Presdwood more fire-resistant than timber?

Answer: Yes, if considered in sheet form. Actually, a sheet of Masonite Presdwood will not burn readily, if a blow torch is applied to the centre of the sheet, for two minutes; but, on the other hand, a very small piece of Masonite Presdwood will burn due to the relatively increased availability of oxygen. Thus in large sheets such as usually used for building, Masonite Presdwood can be said to be more fire resistant than timber or weatherboard.

5

Question: Can ordinary wood-working tools be used on Masonite Presdwood?

Answer: Yes! Masonite Presdwood being produced from wood, can be cut and worked with all wood-working tools. A special grooving tool for grooving and fluting has been developed and is available from all Distributors.

6

Question: Can Masonite Presdwoods be bent?

Answer: Masonite Presdwoods are more flexible than timber, and may easily be bent or curved in one direction.

7

Question: Is Masonite Presdwood more resistant to moisture than wood?

Answer: Yes, particularly Masonite Tempered Presdwood.

8

Question: Can Masonite Presdwood be used for exterior purposes and exposed to the weather?

Answer: Yes, Masonite Tempered Presdwood is recommended for this purpose. Special application and finishing instructions should be read in this connection.

9

Question: What is the chief difference between Tempered Presdwood and Standard Presdwood?

Answer: Masonite Tempered Presdwood is made by subjecting Standard Presdwood to a treatment with special oil, later baking at high temperature and re-humidifying. This treatment is applied to Masonite Presdwoods of all thicknesses. It improves the board in strength, toughness, and resistance to moisture absorption.

10

Question: What is the chief difference between Tempered Presdwood and Temptrile?

Answer: Temptrile is Tempered Presdwood with score lines pressed into the surface during the process of manufacture, to produce the effect of 4" x 4" and 6" x 6" tile.

11

Question: What advantages has Tempered Presdwood over other products?

Answer: (1) Much less tendency to laminate. (2) Equal strength in all directions. (3) Will not split, chip or crack. (4) Cuts with cleaner edges. (5) More pliable. (6) Better surface for finishing. (7) More resistant to moisture. (8) Can be nailed closer to edge.



GENERAL APPLICATION

12

Question: What should be done before commencing the application of Masonite Presdwood?

Answer: The job should be carefully planned and the size and number of panels required determined so as to decide on the framing detail.

13

Question: Is any special framing necessary?

Answer: No. Follow ordinary building practice, set studs, joists or noggings as in ordinary frame construction, spaced accurately on 12" or 16" centres. Space noggings or battens at chair rail and heights to suit the particular design and at all joints. Where necessary, pack or straighten studs, noggings to produce a true and level surface. Additional framing may be necessary for special designs or patterns.

14

Question: Should all joints rest on solid backing?

Answer: Yes, in every case.

NAILING

15

Question: Where should the nailing of panels commence?

Answer: Beginning at or near the centre of the panel, nail to intermediate supports first and then edges and ends. All nails should be driven perpendicular to the surface.

16

Question: What kind of nails should be used?

Answer: Where heads of nails are covered with mouldings 1" box nails should be used. If heads are to be exposed use 1" 16 gauge panel pins for $\frac{1}{8}$ " and $\frac{3}{16}$ " Presdwoods. Longer lengths should be used for $\frac{1}{4}$ " and $\frac{5}{16}$ " Presdwoods. In both instances it is preferable to use the barbed type nail.

17

Question: What kind of nails should be used when panels are exposed to weather, or when excessive moisture is present?

Answer: Copper coated, galvanised or cadmium plated nails are recommended for all exterior uses, or where boards are subjected to continuous moisture.

18

Question: How far apart should nails be spaced?

Answer: Nails should be spaced approximately 12" apart on intermediate supports, and 6" apart around edges and ends, unless special circumstances demand otherwise.

19

Question: How far should nails penetrate the nailing base?

Answer: Not less than $\frac{3}{4}$ ".

20

Question: Is toe nailing recommended?

Answer: Toe nailing is not recommended under any circumstances.

21

Question: Can screws be used?

Answer: Screws may be used and spaced as outlined above. If flat-head screws are used they should be countersunk.

JOINTING

22

Question: Is it possible to make a flush joint to obtain a smooth and unbroken surface?

Answer: It is difficult to make a satisfactory flush joint, and is not ordinarily recommended.

23

Question: Should panels be butted tight at joints?

Answer: No. Just bring panels to moderate contact. Do not spring or force into place.

24**Question:** How can joints be treated ?

Answer: Edges of board may be butted, bevelled to form a V-joint, or metal or wood moulding may be used to cover the joint.

25**Question:** What is the best method for beveling edges ?

Answer: An ordinary carpenter's plane is quite satisfactory.

26**Question:** How should exterior angles be treated ?

Answer: The three usual methods are as follows:—

1. Mitre corner.
2. Metal or Plastic corner mouldings.
3. Wood corner mouldings.

27**Question:** How can interior angles be treated ?

Answer: There are three methods, (1) is to use Metal or Plastic mouldings, (2) is to butt one panel against the other, (3) a timber quadrant moulding may be nailed into corner. Before butting the panel against the corner, make sure that the edge of the panel conforms to the irregularity of the wall line. This can be done with a drawing compass, dividers, or scribing tool.



ADHESIVE APPLICATION

28**Question:** When should Masonite Presdwood panels be adhered to base ?

Answer: When applied on any solid backing, such as plaster, concrete, wood or wall panels.

29**Question:** What should be the first operation before applying adhesive to back of panels ?

Answer: Thoroughly prepare the surface, remove loose wall material and smooth off all projections, patching same if necessary; remove loose paint and all wallpaper; thoroughly clean off all grease, etc., which may affect bonding of the adhesive. It is important that the wall be true, level and plumb. Carefully cut and fit boards prior to application, and make sure that sufficient bracing or shoring is on hand.

30**Question:** Should the adhesive be spread over the entire screen surface of the Masonite Presdwood panel or just spotted ?

Answer: The adhesive should be spread over the entire screen surface of the Masonite Presdwood panel.

31**Question:** What tool should be used to spread the adhesive ?

Answer: A saw-tooth trowel having notches approximately $\frac{1}{8}$ " in depth. If this is not available an ordinary plasterer's trowel can be notched and will be found satisfactory.

32**Question:** How should the Masonite Presdwood panel be placed in position ?

Answer: When the panel is first placed into position it should be done with a slight circular motion in order to work the adhesive well into the screen surface of the board as well as the base to which it is applied.

33**Question:** How long should shoring or bracing be left in position ?

Answer: Approximately 12 hours, or at least overnight.

34**Question:** What adhesives have been found most satisfactory ?

Answer: See Masonite Technical Report on "Application of Adhesives" explaining method of application for all suitable adhesives readily available today.

35**Question:** Can adhesive cement be applied over a wet or damp surface ?

Answer: No. The base to which the panel is to be applied as well as the screen side of the Masonite Presdwood must be dry.

36**Question:** When the screen side has been soaked with water for pre-expanding, will it not leave a wet surface for the adhesive ?

Answer: No. Under normal conditions, 48 to 72 hours is sufficient time to allow for the evaporation of water, leaving the screen side dry, provided that not more than half a gallon of water has been used per 12' x 4' sheet, irrespective of thickness.

APPLICATION OF TEMPRTILE

37**Question:** Name a few important uses for Masonite Temptrtile ?

Answer: For bathroom, shower rooms, kitchens, laundries—for restaurants, counter faces, walls of meat markets, etc., in fact, wherever a tile pattern is desired.

38**Question:** Should Masonite Temptrtile be pre-expanded before application.

Answer: Yes. For all types of applications.

39**Question:** How are panels pre-expanded ?

Answer: Scrub the screen side of the board with a stiff broom and cold water, using 3 to 4 pints of water per full 12' x 4' sheet and stacking the boards flat, screen side to screen side, and allow to remain in that condition for at least 48 hours or longer if possible, prior to application.

40**Question:** How should Masonite Temptrtile be applied ?

Answer: By using an approved adhesive on a solid backing or by nailing over framework.

41 Question: What kinds of nails should be used ?

Answer: When nails are exposed, 1" 16-gauge brads or panel pins are recommended. It is also advisable to have the nails barbed if possible, as this will increase the holding power. Where excessive humidity is present, it is advisable that the nails be galvanised or cadmium plated.

42 Question: Where should nails be driven when applying Masonite Temptrtile ? Should they be countersunk ?

Answer: Nails should be driven vertically into the intersection of score lines, using a nail punch to drive the head of the nails just below the bottom of the groove. The nails should not be countersunk.

43 Question: How and where should adhesive be applied ?

Answer: It is advisable to use adhesive wherever possible. Adhesive should be applied to the screen side of the panel using a saw tooth trowel.

44 Question: Should the joints be made waterproof ?

Answer: Yes, all joints in Masonite Temptrtile should be made waterproof where there is an excessive amount of moisture such as in showers, steam rooms, etc.

45 Question: How can this be done ?

Answer: By buttering the edge of the screen side with caulking compound so that when pressed into position the caulking compound will extrude through the joint. The excess can be wiped off with a clean rag. Caulking compound is made in a range of colors.

46 Question: How should Metal or Plastic mouldings be installed to be waterproof ?

Answer: When slotted Metal or Plastic mouldings are used, before inserting the Masonite Temptrtile into the slot of the moulding, this slot should be filled with caulking compound. The surplus should be wiped off.

47 Question: Is it always necessary to install Metal or Plastic mouldings as referred to above ?

Answer: No, it is not necessary to use caulking compound every time Metal or Plastic mouldings are used — only where excessive humidity or water is present.

48 Question: Masonite Temptrtile is sold in large sheets. How should it be cut to best advantage ?

Answer: Cut the largest sections required first, the surplus pieces can be used on the wall where there is a window. This is advisable because that wall is more or less in the shadow and the joins will be less noticeable.

49 Question: How should you proceed with the installation of Masonite Temptrtile ?

Answer: First, establish the low point of the floor, as very seldom are floors found to be level. From that low point measure the height of the dado in accordance with the design, which may vary from 3' to 4'. From that

point establish a horizontal line with a level around the room.

50 Question: Can the work be laid out by taking any line parallel to the floor ?

Answer: This should not be done without ascertaining that the floor is level, which is seldom the case.

51 Question: In an old building, is it advisable to remove the skirting board and place Masonite Temptrtile behind the base ?

Answer: In most cases in old buildings, the wood trim is completely dried out, with the result that it is very brittle and almost impossible to remove without splitting and breaking the trim. Therefore, it is advisable to fit the Masonite Temptrtile to the top of the skirting.

52 Question: Masonite Temptrtile has been installed and the panels are badly buckled. What was the cause ?

Answer: The framework to which the Masonite Temptrtile was applied has moved, or the Temptrtile was not pre-expanded before installation.

53 Question: How can this job, as referred to in the previous question, be remedied ?

Answer: Punch the nails through the Masonite Temptrtile with a nail punch and remove the panels. Remove all foreign material from the screen side of the Masonite Temptrtile and then scrub the screen side with clean water using a stiff broom (3 to 4 pints per full 12' x 4' sheet), then place the sheets, screen side to screen side, and leave for a period of not less than 24 hours. Then refit and install panels. Before reinstalling panels, make sure the base is true, level and plumb, shim if necessary.

54 Question: Are any special tools required to cut Masonite Temptrtile ?

Answer: Ordinary carpenter's tools, such as a small tooth saw and plane are the only tools required to cut and fit Masonite Temptrtile.

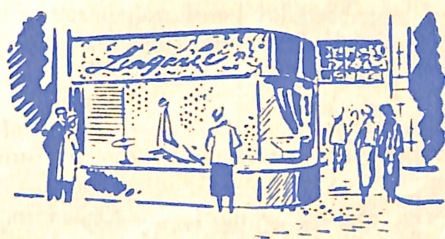
55 Question: How should Masonite Temptrtile be cut to conceal joints between panels ?

Answer: Cut the panel through the centre of the groove, thereby using the ready made marking, to allow straight edges to be easily cut. Then plane a small bevel edge, using a carpenter's plane, to give a perfectly true "V" joint similar in appearance to the existing score lines. When lined in colour with a Masonite Paint Striper the joint will hardly be recognised from the original pressed groove.

TEMPERED PRESWOOD

56 Question: Name some of the many uses for Masonite Tempered Preswood ?

Answer: As an exterior siding for houses, buildings, store fronts, warehouses, for exterior and interior wall treatments, display signs, floor coverings, counter and table tops, boats, caravans, trucks, trailers, flush doors, kennels, etc., or wherever a hard surface is required or excessive moisture or humidity is present.



57

Question: When installing Masonite Tempered Presdwood to the walls of a bathroom, laundry or factory, where excessive humidity is present or exposed to weather, what is the first precaution to take?

Answer: The board must be pre-expanded.

58

Question: Should Masonite Tempered Presdwood always be applied over solid backing?

Answer: It is recommended that $\frac{1}{8}$ " Masonite Tempered Presdwood should always have a solid backing, but $\frac{3}{16}$ ", $\frac{1}{4}$ " and $\frac{5}{16}$ " can be placed over a framework having supports at not more than 16" between centres.

59

Question: What tools are required to cut Masonite Tempered Presdwood?

Answer: Ordinary carpenters' tools and small power saws, similar to a Skilsaw, are very useful.

60

Question: How can Masonite Tempered Presdwood be bevelled?

Answer: With a power saw, an ordinary carpenter's plane, or bevelling plane—for ease of operation the latter is to be recommended.

61

Question: What kind of nails are recommended for application of Masonite Tempered Presdwood?

Answer: Where Masonite Tempered Presdwood is used for interior use we recommend 1" or $1\frac{1}{4}$ " 16 gauge panel pins. For exterior use we recommend 1" or $1\frac{1}{2}$ " flat head cadmium, galvanised or copper plated nails.

62

Question: Are nails to be countersunk in the Masonite Tempered Presdwood?

Answer: Flat head nails should not be countersunk. Panel pins should be sunk just below the surface.

63

Question: Is Masonite Tempered Presdwood recommended for laboratory table tops?

Answer: Tempered Presdwood, if treated with acid-resisting solution, proves highly satisfactory for this particular application. $\frac{1}{4}$ " or $\frac{5}{16}$ " thickness is recommended.

64

Question: What is the acid-resisting solution?

Answer: This treatment consists of two solutions —

Solution 1.

125 gr. Copper sulphate
125 gr. potassium chlorate
1000 gr. water.

Solution 2.

150 gr. good fresh anilin oil.
180 gr. concentrated hydrochloric acid.
1000 gr. water.

The Masonite Tempered Presdwood panels should be free of grease, paint or any other foreign substance. Apply two coats of Solution 1, boiling hot. When dry, apply two coats of Solution 2, also boiling hot. When completely dry, wash off excess chemicals with hot soapsuds and polish surface with raw linseed oil.

65

Question: How often should this treatment be repeated?

Answer: It is advisable to repeat it periodically, depending on its use, say, every three to four months.



66

Question: Name some of the uses of Masonite Tempered Presdwood where the fact that it is grainless is of prime importance.

Answer: Due to the glass-like surface and the absence of splinters and protruding fibres, it is particularly adaptable for display tables and counters for lingerie, hosiery or any place where Masonite Tempered Presdwood comes in contact with sheer fabrics. It is useful for industrial purposes such as sorting tables to protect employees' hands against splinters.

67

Question: How can scratches be removed from Masonite Tempered Presdwood?

Answer: By using a compound known as "Wiping Compound." This consists of —
1 pint Pine Oil, 2 pints Tung Oil, $\frac{1}{2}$ lb. Tripoli (Tripoli is a cleaning compound used by jewellers). Mix the Tripoli with the Pine Oil, stirring well until thoroughly mixed. Add Tung Oil and mix well. Apply this compound over the scratches with a soft rag. This should not be used over Masonite Standard Presdwood, as it would leave a dark stain.

EXTERIOR APPLICATION

68

Question: Are Masonite Presdwoods recommended for exterior walls?

Answer: For outside use only $\frac{1}{4}$ " and $\frac{5}{16}$ " Masonite Tempered Presdwood is recommended.

69

Question: How should a wall be prepared to receive Masonite Tempered Presdwood for outside application?

Answer: There are two main methods of applying Masonite Tempered Presdwood for exterior applications, (1) Flat wall sheeting, (2) as a lapped weatherboard.

70

Question: How would you prepare an exterior wall to receive Masonite Tempered Presdwood as a flat wall sheeting?

Answer: The framework should have studs at no more than 16" centres. If the sheets are used horizontally, 2" x 1" timber battens should be cut into the studs for the full length of the sheets at heights to suit the design. On all vertical joints the studs can be faced with a bitumastic felt strip and the sheets should be brought into moderate contact not butted tightly together. On all horizontal joints, galvanised flashings must be used. All joints should be covered with a timber moulding not less than 3/4" wide.

71

Question: Should the flat wall sheeting be painted before the timber battens are applied?

Answer: Yes. It is good building practice to sealer prime the Masonite Tempered Presdwood prior to covering with timber mouldings. The timber mouldings should also be well primed all over before application.

72

Question: How do you make Masonite Tempered Presdwood Weatherboards?

Answer: Weatherboards are made by sawing 1/4" or 5/16" Tempered Presdwood into widths of 8", 12", 16" or 24". These widths are the most economical cuts from the sheet width of 4'.

73

Question: How do you apply Masonite Tempered Presdwood Weatherboards?

Answer: After deciding on the width weatherboard required, splayed and grooved timber battens are nailed direct to studs. The top edge of the weatherboard is pushed into the groove and the board is nailed along the bottom edge.

74

Question: Should the weatherboards be painted prior to application?

Answer: Yes. It is advisable to apply a coat of exterior primer sealer to the face, edges and on back.

75

Question: What advantages have Masonite Tempered Presdwood weatherboards over conventional type weatherboards?

Answer: Because Masonite Tempered Presdwood will not split or splinter and has a perfectly smooth steel hard surface, there is no loss as in other types of weatherboards and paint costs are generally lower. There is no stopping up of knot holes nor any of the disadvantages of the grain movement so common with timber weatherboards.

76

Question: What type of nails should be used for exterior application?

Answer: 1" or 1 1/4" flat head galvanised or cadmium coated nails should be used. The nails need not be punched below the surface.

77

Question: Can these two types of exterior applications be done by the average tradesman?

Answer: Yes, and by writing to our Sales Office in your State we will gladly forward you all necessary details and personal advice, either by 'phone, letter or interview.

78

Question: What is the most important factor when Masonite Tempered Presdwood is to be used for exterior purposes?

Answer: Make sure that the board has been properly pre-expanded and allowed to condition for a period of at least 48 to 72 hours, as before instructed.

79

Question: Should panels be fitted before or after pre-expanding?

Answer: The Masonite Tempered Presdwood panels should be pre-expanded before cutting and fitting.

80

Question: How can the joints be treated?

Answer: Joints for outside use could be treated with metal mouldings or timber cover mouldings.

81

Question: How should joints be treated with metal mouldings for outside use?

Answer: The slot of the metal moulding must be filled with caulking compound. As in most store front work, panels are fairly small, it is advisable not to nail the Masonite Tempered Presdwood to the base, but depend entirely on the metal mouldings, and the adhesive to hold them in place, and so allow the use of pre-finished panels.

82

Question: Can Masonite Tempered Presdwood be left in natural condition when used for exterior work?

Answer: It is not recommended to leave Masonite Tempered Presdwood in its natural condition when exposed to the elements. It should be painted, varnished lacquered or enamelled.

83

Question: Why is it recommended to paint Masonite Tempered Presdwood when used for exterior application?

Answer: Because it is a wood product, and should be protected and treated as such.

STANDARD PRESWOOD

84

Question: What are some of the main uses of Masonite Standard Presdwood?

Answer: It is used for interior work, such as wall and ceiling panels, show-cases, window backgrounds, drawer bottoms, shelving, for the manufacture of furniture and toys, and many industrial uses.



85

Question: Name some advantages over competitive materials?

Answer: Masonite Standard Presdwood has many advantages. It may be bent easily, has a smooth surface, is readily painted, is low in cost, and although thin, has great strength.

86

Question: Can Masonite Standard Presdwood be used for outside?

Answer: No. Masonite Standard Presdwood should be used for interior finish only and in such places where there is no excessive humidity. It should never be used in bathrooms, showers, laundries, etc. In such installations, as well as for exterior use, Masonite Tempered Presdwood is essential.



87

Question: What tools are recommended to cut and bevel Masonite Standard Presdwood?

Answer: Ordinary standard carpenters' tools, such as a fine saw (10 teeth or more) and plane are the necessary tools to bevel Masonite Standard Presdwood.

88

Question: What kind of panel pins are recommended for Masonite Standard Presdwood?

Answer: 1" or 1 1/4" 16 gauge drop head nails (preferably barbed) should be used.

89

Question: Should nails be countersunk?

Answer: The nails should not be countersunk, but set slightly below surface with a fine nail punch.

90

Question: Should Masonite Standard Presdwood be pre-expanded?

Answer: Yes, as with all Masonite Presdwoods, Standard Presdwood should be pre-expanded before use. This is done by scrubbing 3 to 4 pints of water into the screen side of the 12' x 4' sheets, with a stiff broom. (The same amount of water is used irrespective of thickness.) The sheets should then be stacked flat, screen side to screen side, for at least 48 to 72 hours before use. The one wetting will be sufficient. If the smooth surface is to be stained or left natural, care should be taken

to avoid water mark on the surface. Wet bags or wet soggy newspaper would do instead of scrubbing with the broom.

91

Question: Should the panels of Masonite Standard Presdwood be placed tightly together?

Answer: No. Masonite Standard Presdwood panels should never be butted tightly together. The sheets should be brought into moderate contact and a good idea is to leave a 16 gauge nail width between sheets.

92

Question: How can the joints of Masonite Standard Presdwood panels be treated?

Answer: Edges may be bevelled to emphasise the joint. Panel effects can be obtained by covering the joint with narrow strips of Masonite Standard Presdwood in various widths, superimposing one upon the other, or by using wood mouldings. Metal or Plastic mouldings are also extensively used for decorative purposes.

93

Question: Is it necessary to waterproof the joints of Masonite Standard Presdwood?

Answer: No. Because Masonite Standard Presdwood should never be used in places where the humidity is so great that waterproofing the joints is necessary.

94

Question: Is Masonite Standard Presdwood adaptable for store modernisation?

Answer: Yes, old-fashioned counters, shelving, etc., can be easily modernised with the use of Masonite Standard Presdwood. Only minor alterations and framing is necessary to transform an old-fashioned store into a modern shop. However, it is essential to use only Masonite Tempered Presdwood for tops of counters and all working surfaces.

95

Question: What are the advantages of Masonite Standard Presdwood for flush doors?

Answer: Masonite Standard Presdwood has a smooth, grainless surface which will take a high gloss enamel without danger of the grain marring the finish as is the case of many competitive materials. It will not crack, check, chip, or allow the door to sag.

96

Question: Can ordinary panel doors be converted into modern flush doors?

Answer: Yes, first remove all hardware from door, (2) remove all paint, repair all joints. The Masonite Presdwood panel (which must be slightly larger than the door) should be pre-expanded, (3) cover screen side of the Masonite Presdwood with water-proof adhesive, place the panel on the door, press into position with the use of sandbags or other heavy weights and allow to set for 24 hours, (4) plane off protruding edges and remove sharp edge with sandpaper.

MASONITE LEATHERBOARD

97

Question: What is Masonite Leatherboard?

Answer: The surface of Masonite Presdwood has been deeply impressed with an everlasting pattern of true

Spanish grain leather and is produced in both Standard and Tempered Presdwoods in thicknesses of $\frac{1}{8}$ " and $\frac{3}{16}$ ", sheet size 12' x 4'.

98

Question: Where can you use Masonite Standard Leatherboard?

Answer: Masonite Standard Leatherboard is most suitable for wall and ceiling treatments, furniture, book cases, counter fronts, shop interiors, theatre foyers, door facings, dens, offices or lounges, for album and ledger covers and wherever an unusual finish is desired.

99

Question: Where can you use Masonite Tempered Leatherboard?

Answer: Masonite Tempered Leatherboard is most suitable for furniture, particularly for chair backings and seats, door facings, dens, offices or lounges, for shop and hotel counters, shop interiors, cafe seating and wherever a hard, tough, water-resistant finish is desired.

100

Question: How do you apply Masonite Leatherboard?

Answer: The same methods are used as for Masonite Standard Presdwood. Where possible, nails or panel pins should be driven into the deep grained impressions of the Leatherboard pattern.

101

Question: How do you finish Masonite Leatherboard?

Answer: There are three ways to finish Masonite Leatherboard — (1) Plain finish, (2) Texture finish, (3) Grain in Tone.

For more detailed information on working and finishing of Masonite Leatherboard write for our technical bulletin on "Painting and Finishing of Masonite Presdwoods."

MASONITE PEGBOARD

102

Question: What is Masonite Pegboard?

Answer: Masonite Pegboard is the latest addition to the ever-growing family of Masonite Presdwood Products. It is $\frac{1}{8}$ " Masonite Tempered Presdwood with $\frac{3}{16}$ " machine punched holes at 1" staggered centres and is produced in natural or pre-finished matt, gloss or Two-Tone Leatherboard.

103

Question: Where can Masonite Pegboard be used?

Answer: There is a wide range of applications for this remarkably versatile board for walls and ceilings, in shops, offices, homes, fixtures, in fact, any type of interior location where a wall treatment is desired which is smart, modern and functional. For shower ventilators, cupboard, linings, food cabinets, display work, porticos, sight screens and innumerable other locations.

104

Question: What are the advantages of Masonite Pegboard?

Answer: The Masonite Pegboard panels are punched with $\frac{3}{16}$ " holes which permit the use of special metal

hangers which are instantly interchangeable and self-locking without the use of any tools. By using these fixtures both useful and decorative items may be arranged or re-arranged on either smooth or patterned Pegboard without in any way defacing the board.

105

Question: How should Masonite Pegboard be applied?

Answer: Building paper or foil is installed over the studs or ceiling joists before applying the Masonite Pegboard panels.

106

Question: Has Masonite Pegboard any acoustical properties?

Answer: Yes. By backing with a soft board, slagwool, cork or a similar type of insulating material, Masonite Pegboard has very good acoustical properties. More detailed information may be had by writing for our "Masonite Pegboard" leaflet.



TEMPERED PRESDWOOD FOR FLOOR COVERING

107

Question: Where can the use of Masonite Tempered Presdwood or Temptrile be recommended for Floor Covering?

Answer: In dance halls, auditoriums, offices, clubs, skating rinks, storage buildings and homes.

108

Question: What are the advantages of Masonite Tempered Presdwood over other materials?

Answer: Durability, ease of repairs, low cost of up-keep, ease of application, large 12' x 4' sheets.

109

Question: Can Masonite Tempered Presdwood be placed over any kind of sub-base?

Answer: It should be applied over wood sub-flooring, provided these surfaces are level and free from projections and indentations. All surfaces must be free of paint, varnish, grease or any foreign matter. Application may also be over concrete floors, for more detailed specifications, write for our technical bulletin "Masonite Tempered Presdwood and Temptrile Floor Covering Installation and Maintenance."

110

Question: How should Masonite Tempered Presdwood be installed?

Answer: In a tile or herringbone pattern, provided that the joints are broken in such a manner that one joint falls in the middle of the adjoining piece.

III

Question: Is the use of an adhesive recommended when installing Masonite Tempered Presdwood?

Answer: Yes, but not absolutely essential. Approved waterproof adhesive should be spread over the base with a saw tooth trowel and the Masonite Tempered Presdwood placed and pressed into proper position.

III2

Question: How should the Masonite Tempered Presdwood be held in place while the adhesive is setting?

Answer: The Masonite Tempered Presdwood should be held in position by the use of a small block or by driving a 1" 16 gauge brad in the centre and one at each corner. Drive brad slightly below surface.

III3

Question: Should Masonite Tempered Presdwood be pre-expanded?

Answer: Under all normal conditions the Masonite Tempered Presdwood must be pre-expanded as described in Question 114 and as detailed on the back page.

III4

Question: How should the Masonite Tempered Presdwood be pre-expanded?

Answer: By scrubbing the screen side with clean water, placing the boards screen to screen with the film of water between them, letting them lay flat, screen side to screen side, 48 hours before using.

III5

Question: Can Masonite Tempered Presdwood be coloured?

Answer: Yes. The Masonite Tempered Presdwood can be stained by using stain in oil. The sheets should be free of all dust and dirt; the stain is diluted with 6 to 8 parts mineral turps and is applied over the entire surface with a soft cloth or brush and allowed to dry. The surplus stain should then be wiped off and a sealer coat may then be applied prior to polishing. For detailed method of staining applications write for our technical bulletin, "Staining of Masonite Presdwoods".

III6

Question: What are the principal points to bear in mind regarding the maintenance of Masonite Tempered Presdwood?

Answer: As soon as the sheets are laid, remove all dust and dirt, and apply a heavy coat of approved sealer over the surface if the boards are not to be stained. Polish the floor when sealer is dry, re-polishing periodically, avoiding excessive water or moisture on the floor.

III7

Question: How often should floor be polished? What kind of polish is recommended?

Answer: Under ordinary conditions, polish the floor every week. All dust and dirt should be removed before polishing. Always use a non-slip polishing wax; there are many reputable brands to choose from and the manufacturers' instructions should be followed. Under no conditions should ordinary furniture type wax be used.

III8

Question: How should Masonite Tempered Presdwood be cleaned?

Answer: By using a mop and lukewarm soapy water, the mop should be dampened, not sopped; for cleaning, the final wipe-over should be with clean water ensuring the surface is perfectly dry before any re-waxing. If a prepared wax cleaner is used, then care should be taken to ensure that the cleaner does not remove the stain if the floor has been stained with Stain-in-oil.

III9

Question: How often should a sealer be used with Masonite Tempered Presdwood?

Answer: The sealer coat should be applied after the Masonite Tempered Presdwood has been well swept and free from dust. The one sealer will be sufficient.

TERMITE-TREATED PRESDWOOD

III20

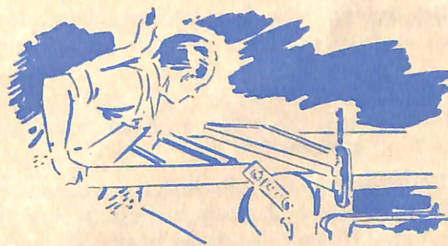
Question: What is Termite Treated Presdwood?

Answer: Termite treating can be applied to all of the Masonite Presdwood Products. During the process of manufacture, a solution of Sodium Pentachlorophenate is added to the mixture, thus making the Masonite Presdwoods termite resistant, as proved by tests conducted by the C.S.I.R.O.

III21

Question: Where would you use Termite Treated Presdwoods?

Answer: For areas seriously infected with white ants.



BENDING MASONITE PRESDWOOD

III22

Question: How many methods are there of bending Masonite Presdwoods?

Answer: Three. Masonite Presdwoods can be bent dry, wet, and wet with heat.

III23

Question: Explain the different methods of bending Masonite Presdwood?

Answer: If bending Masonite Tempered or Standard Presdwood over a form which has a radius of approximately 24", it is not necessary to wet the board. Nail the edge of the panel securely in place and slowly bring the Masonite Presdwood into position against the wood framing.

If an 18" radius is required, the Tempered or Standard Presdwood should be completely immersed in a tank of water for 24 hours. The board should be bent over a

form of slightly smaller radius than required, and clamped in that position until dry. When the clamps are removed the board will have a permanent set, the springback will be slight.

For small radii, i.e. 3", 6", 9", etc., or in fact all radii of less than 15", it is necessary for these bends to be specially processed, and in this regard we recommend you to enquire from one of our distributors, Messrs. Service Industries Pty. Ltd., at Esplanade East, Port Melbourne, or 46 Euston Road, Alexandria, N.S.W., for further information, giving the complete details of the requirements.

124 Question: How long should Masonite Presdwood be left on the form?

Answer: To have a permanent set it should be left until perfectly dry. This will take an average of twelve hours.

125 Question: Can anything be done to accelerate the drying time?

Answer: Yes, if artificial heat is available, the drying time can be reduced considerably.

126 Question: If no tank is available in which to submerge the board for soaking prior to bending, what other method can be used?

Answer: In this case, the best method is to scrub the the screen side with water, place burlap sacks, soaked with water, over the screen side, and keep these sacks soaked with water for a period of 24 hours or more.

127 Question: Why is the water always applied to the screen side only?

Answer: The screen side has broken fibres, leaving a more porous surface than the smooth glass-like face of the board.

128 Question: Is the surface of the panel injured in bending process?

Answer: If care is taken in bending the board, by applying the heat properly or by not forcing it over the form too quickly, the surface will not be broken or cracked.

129 Question: Will the bent surface of the Masonite Presdwood take paint as readily as the flat surface?

Answer: As the surface has not been injured, there is no noticeable difference in the paint absorption between the flat and bent surfaces.

PAINTING MASONITE PRESWOODS

130 Question: Is special paint required to finish Masonite Presdwoods?

Answer: Most paint manufacturers have specially prepared primers and sealers for Masonite Presdwood for inside and outside use. Apply one coat of the recommended sealer. This may be applied with a brush or spray. Allow the surface to dry, then sandpaper lightly and finish with two coats of high-grade inside or outside paint.

131 Question: What surface sealer would you recommend for Masonite Presdwood?

Answer: A satisfactory sealer for Masonite Presdwoods can be made from ordinary granulated glue size mixture, commonly known as glue size, or, if preferred, a coat of ordinary Methylated Spirit Shellac can be applied. Further to these, there are several special brands of Masonite sealers available from most of the recognised paint manufacturers, all of which give every satisfaction. However, to save time and money we have produced Masonite Primecote which is first quality Presdwood finished with a primer-sealer coating on the smooth side. This primer-sealer is a water based media which will take any applied finish, whether oil, lacquer, enamel, synthetic, plastic, etc. Masonite Primecote should be pre-expanded as described on the last page.

132 Question: Can Lacquer or Enamel be used satisfactorily with Masonite Presdwood?

Answer: Lacquer or Enamel will give a high-gloss and durable finish to Masonite Presdwood. It is understood, of course, that with Lacquer or Enamel, the proper undercoating should be used.

133 Question: Can Masonite Presdwood be finished in the natural condition?

Answer: Masonite Presdwoods can be left in their natural finish with the use of one coat of glue size and two coats of varnish.

134 Question: How should this varnish be applied?

Answer: A high-grade varnish should be used. The varnish should be applied in two coats, the first coat should be reduced with 20 per cent. turpentine, and the second coat should be applied without being reduced.

135 Question: Is there any different procedure when painting Masonite Tempered Presdwood for outside use?

Answer: Use the proper sealer recommended for outside application, and finish with two coats of high-grade outside prepared paint. This will give a very satisfactory job.

136 Question: Can Masonite Temprtile or Tempered Presdwood be used in showers, or steam-rooms without the protection of paint?

Answer: No. As Masonite Temprtile or Tempered Presdwoods are wood products, they require a protective coating of Varnish, Paint, Enamel, Duco, or Lacquer, to withstand the excessive amount of water, and to give lasting service.

137 Question: What methods are recommended to stripe Masonite Temprtile?

Answer: The use of a lining brush. This brush has special long bristles that stay in the score lines, although this is a particularly tedious process and we recommend the use of a Masonite Paint Striping Tool. This tool works on the same principle as a tennis court marker, and can be used by anyone after a very little practice. For more information regarding the Paint Striping Tool, ask for our leaflet on Masonite Tools.

138

Question: If surface of Masonite Presdwood has been painted, is it possible to use Lacquer or Enamel over the surface when refinishing? Or vice versa?

Answer: If the surface has been painted, it will be necessary to remove all paint before applying Lacquer or Enamel as the vehicle of these products acts as a paint remover. If the surface has already been treated with Enamel or Lacquer it is possible to apply ordinary standard paint without removing either Enamel or Lacquer. It is necessary, however, to rub the surfaces with sandpaper or steel wool to cut the high gloss finish and give a better adhering surface for the paint.

ALUMINIUM MOULDINGS

139

Question: You have made mention in several answers to Metal and Plastic mouldings. Has any type of moulding been specially developed, and is it readily available?

Answer: Yes; a series of 11 Aluminium and 5 Plastic mouldings have been developed. These mouldings are available in 12' lengths from our Masonite Distributors and stockists.

140

Question: Where can these mouldings be used?

Answer: There is a moulding available for every join whether it be for wall, ceiling or furniture.

EXTERNAL CORNERS: Aluminium Ribbed, MA.21; Plastic Ribbed, MA.21; Aluminium Plain, MA.26.

DIVISION: Aluminium Ribbed, MA.22; Plastic Ribbed, MA.22; Aluminium Plain, MA.27.

INTERNAL CORNERS: Aluminium Ribbed, MA.23; Plastic Ribbed, MA.23; Aluminium Plain, MA.28.

SINGLE EDGE: Aluminium Ribbed, MA.24; Plastic Ribbed, MA.24; Aluminium Plain, MA.29.

DOUBLE EDGE: Aluminium Ribbed, MA.25.

SKIRTING OR CORNICE: Aluminium Plain, MA.31.

WAIST: Aluminium Plain, MA.32.

141

Question: Are these mouldings suitable for all Masonite Presdwood?

Answer: They may be used for Masonite Standard Presdwood, Tempered Presdwood, Temptrile, Leatherboard, Primecote, Pegboard and Termite Treated Presdwoods. They are specifically designed for $\frac{3}{16}$ " board, but may be used with $\frac{1}{8}$ " board.

MASONITE CONCRETE FORMBOARD

142

Question: What is Masonite Concrete Formboard?

Answer: Masonite Concrete Formboard is basically our Tempered Presdwood which is treated with an additional process rendering it less absorptive to moisture and tougher wear-resistant qualities.

143

Question: Where would you use Masonite Concrete Formboard?

Answer: Masonite Concrete Formboard is used on all types of concrete structures wherever a smooth finish is required that needs no further rendering.

144

Question: How do you apply Masonite Concrete Formboard?

Answer: By using shutters, either open or closed type, with timber battens of sufficient size and so spaced as to adequately support the loads to be carried without deflection. For Structural concrete, open shuttering may be used. For Architectural concrete, space between the battens to be not more than 3".

145

Question: Should Masonite Concrete Formboard be pre-expanded before use?

Answer: Yes, the Masonite Concrete Formboard should be pre-expanded approximately 48 hours before applying to the forms, the screen side of the Concrete Formboard should be thoroughly wetted by scrubbing in cold water (3 to 4 pints per full 12' x 4' sheet) with a stiff broom. The wetted boards should then be stacked flat, screen side to screen side, and covered with a tarpaulin until ready for use.

146

Question: What is the advantage of using shuttering?

Answer: Shuttering is an advantage when panels can be very quickly erected and dismantled without damage to the Masonite Concrete Formboard. When random decking forming is used, damage through careless stripping is often the result.

147

Question: Are the use of form oils and greases recommended on Masonite Concrete Formboard?

Answer: Yes, thoroughly oil the panel before positioning re-inforcing material. The major Oil Companies will gladly recommend the most suitable type of form oil for the purpose. *Caution—under no circumstances is old sump oil to be used.*

148

Question: Can Masonite Concrete Formboard be used for interior and exterior lining for a home?

Answer: No, we do not recommend Masonite Concrete Formboard for this purpose. It is a special board which has been designed for one specific use only and is not to be used for any other purpose other than the forming of concrete.

149

Question: Can Masonite Concrete Formboard be painted for exterior or interior use?

Answer: No, we do not recommend this board for exterior and interior use and if the board is painted with ordinary type paints, then some bleeding of the oil content in the Masonite Concrete Formboard may eventually appear on the paint surface.

150

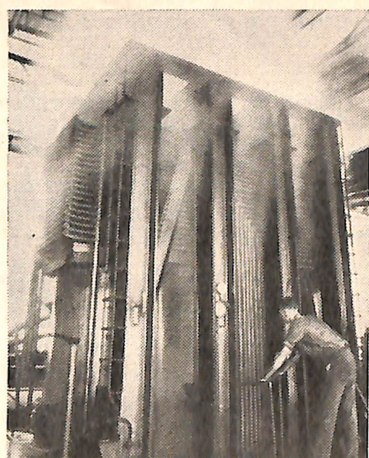
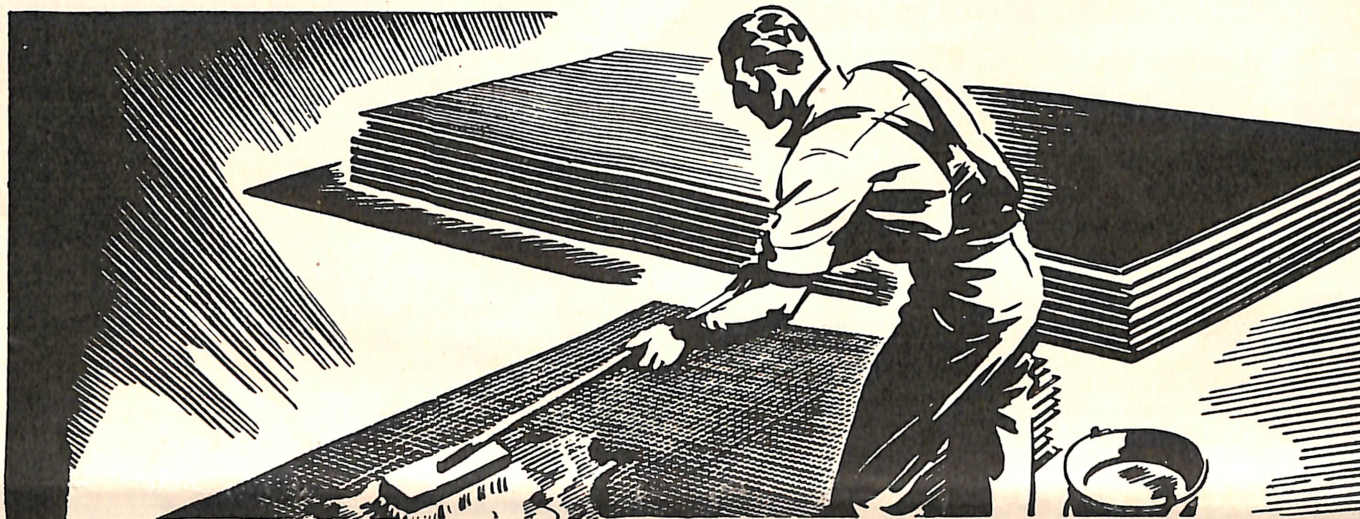
Question: Has Masonite Concrete Formboard many uses as a concrete forming material?

Answer: Yes, there are unlimited applications for this product. We suggest that you contact our Sales Advisory Service at our Sydney or Melbourne Offices for further information relating to the use of Masonite Concrete Formboard. Phone, write or call personally at 533 Collins Street, Melbourne (MB 1971), or 369 Pitt Street, Sydney (M 4135).

DON'T FORGET . . .

PRE-EXPANSION OF MASONITE

PRESWOODS BEFORE USE



In this Hydraulic Press, tremendous pressure and heat combine to give Masonite Presdwood its toughness and sheet-steel smoothness.

Masonite Presdwood is made entirely from timber: but its manufacture involves great heat and pressure. This means that when the board is first produced it is in its driest possible state. If the board is fixed when in this condition it is only to be expected that when atmospheric moisture increases, the dry all-timber Masonite Presdwood will slightly expand and may tend to wave or buckle. By thoroughly wetting the board (3 to 4 pints per full 12' x 4' sheet), the Masonite Presdwood will then assume its natural size. By placing it flat back to back, allowing it to lay in a wet condition for approximately 48 to 72 hours before application, the moisture content is stabilised. Therefore, when the board is nailed or fixed, no further expansion will occur. If the finished job is not to be painted, take care (particularly with Masonite Standard Presdwood) that water does not come into contact with the face of the board, otherwise staining will result.

MASONITE CORPORATION (AUSTRALIA) LTD.

(Incorporated in New South Wales)

Works and Forests — Raymond Terrace, N.S.W.

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31 Chesser Street, ADELAIDE



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